



State of Utah

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

## Department of Administrative Services

D'ARCY DIXON PIGNANELLI  
Executive Director

### Division of Facilities Construction and Management

F. KEITH STEPAN  
Director

## ADDENDUM

Date: 19 December 2005

To: Contractors

From: Kurt Baxter, Project Manager, DFCM

Reference: UNG Lehi Restroom Remodel, #05209470

Subject: **Addendum No. 1**

Pages Addendum 22 page

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***Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.***

1.1 See Attached specifications and drawings.

*End of Addendum*



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December 19, 2005

PROJECT:

## **RESTROOM REMODEL LEHI ARMORY**

**UTAH NATIONAL GUARD  
LEHI, UTAH**

**300 EAST MAIN STREET  
LEHI, UTAH 84043  
D.F.C.M. PROJECT #05209470**

### **ADDENDUM NO. 1**

The data included herein is issued by the Architect as a clarification and addition to drawings, specifications, and contract documents relative to the above project. Except as effected by data herein, all other parts of the Contract Documents shall remain in full force and effect as issued by the Architect, ***December 12, 2005*** (This Date Applies to all Project Bid Documents). It shall be the sole responsibility of the bidder to appropriately disseminate this data to all concerned prior to the assigned bid date and time: Receipt of the addendum shall be recorded by the bidder in the appropriate space on the proposal form included in the Contract Documents.

### **I. GENERAL ITEMS**

<b>Item #1</b>	<b>ADDITIVE ALTERNATE # 1</b>
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<b>1. Change Additive Alternate #1. –</b>
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Delete all Skylights from the alternate #1 and the project in total and all referenced work associated with the Skylights. Provide Phenolic Toilet Partitions as indicated in specifications and the drawings for Additive Alternate #1.
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*" Our Success Is Measured By The Level Of Our Client's Success " .*

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## **II. ARCHITECTURAL**

### **A. DRAWINGS ITEMS**

#### **Item #1 ARCHITECTURAL DRAWING AE-101:**

##### **1. Change Floor Plan, Dimension Plan: See revised floor plans ASD-01 & ASD-02**

- a. **Add additional metal stud furring as indicated** on revised plans.
- b. **Increase size of metal studs on noted walls.** See revised plans.
- c. **Delete furred metal studs and all material associated with furred wall** on south wall of Office #106. See Electrical plan for items deleted in wall. See revised Supplementary architectural floor plan
- d. **Note the following:** Additional dimensions for ADA on toilet partitions, Lavatories, Water Closets, Seats and Urinals.
- e. **Keyed Note: #4** – Delete note #4 to remove door into Office #106. Opening to remain as is.
- f. **Keyed Note: #11**-- Delete this note and all references on drawings.
- g. **Keyed Note: #14** – Delete Skylight and all reference to Skylights as part of Additive #1. Delete all work associated with the Skylights. Fill in new ceiling at Skylight opening to match new ceiling.
- h. **Keyed Note: #16 – Add to Note #16 the following Option:** (Concrete Slab)  
Contractor shall have the option to remove the existing concrete slab and Ceramic Mosaic tile and associated work as noted on the drawings --- or -- to leave existing concrete floor slab in place and remove existing Ceramic Mosaic Floor Tile and setting bed and associated concrete under walls etc and replace with new setting bed and Ceramic Mosaic Floor Tile. See Drawing ASD-04.  
  
See Supplementary Drawing ASD-03 & ASD-04 for new concrete slab required over existing tunnel. Leave the main concrete slab in place and cut existing slab as required to place floor drains and all other items that are required by the drawings and specifications. Slope new setting bed and floor tile in existing recessed floor slab to drains etc as indicated on plans. Remove any additional concrete that may need to be removed in order to have a complete recess under all new floor tile, thresholds etc. as required by drawings. Provide all removal or new work as required by drawings and specification to meet the requirements of all new work etc.
- i. **Keyed Note: #18** – Delete
- j. **Keyed Note: #19** – Delete
- k. **Keyed Note: #20** – Delete

**Item #2                    ARCHITECTURAL DRAWING AE-201:**

**1. Elevations Sheet – AE-201:**

- a. Men's & Women's Shower ADA seat. Shower Seat dimension from finish floor to top of seat shall be 18" inches to meet ADA.
- b. Folding Changing seat (TBA-10). Changing folding Seat dimension from finish floor to top of seat shall be 18" inches to meet ADA.
- c. Men's Urinal --- dimension from finish floor to top lip of Urinal shall not exceed 16" inches to meet ADA.
- d. See Revised Floor Plan (Supplementary Drawings ASD-02) drawings for additional dimensions.

**Item #3                    ARCHITECTURAL DRAWING AE-301:**

**1. Section/Details Sheet – AE-301:**

- a. Section-A1 – See Supplementary Drawing – ASD-04 for Option to not remove existing concrete slab on grade and over existing tunnels. If existing slab is to remain as an option some new concrete will need to be poured over the small tunnel. See Supplementary Drawing ASD-03 and ASD-4 for extent of new concrete. Cut and remove existing concrete slab as required by drawings and specifications, such as floor drains etc.

**Item #4                    ARCHITECTURAL DRAWING AE-301:**

**1. Details Sheet – AE-501:**

- a. **Detail B1** – Delete detail and from Alternate #1.
- b. **Detail A5** – Change detail as follows: Remove existing translucent window system that was to remain. Window does not have to be salvaged. Replace window frame with 3/4" inch CDX exterior plywood. Paint one coat to match color of Brick. Anchor plywood as securely as possible from break in to building, but as a temporary window filler for future new window frame installation. Do not damage the existing surfaces and materials so new frame can be installed.
- c. **Detail C3** -- See Supplementary drawing ASD-03 – option that will require new concrete slab with floor recess over small existing tunnel.

**Item #5                    ARCHITECTURAL DRAWING AE-601:**

**1. ROOM FINISH SCHEDULE:**

- a. **Room #104 Vestibule** – Under Floor finish -- change concrete to Vinyl Composition Tile (VCT). See added specification section to this addenda.

### **III. SPECIFICATIONS**

#### **A. SPECIFICATION ITEMS**

**Item #1                    SECTION - 10155 –TOILET COMPARTMENTS (METAL):**

1. **1.2 -- Summary – A, 1—Toilet Enclosures:** Ceiling braced. Delete Ceiling Braced. Change to Overhead Braced.
2. **1.2 -- Summary – A, 2 – Urinal Screen:** Floor mounted. Change to read Wall hung.
3. **2.1 – Metal Units – C, f –** Delete reference to Wedge-Shaped, Wall-hung Urinal Screen.
4. **3.1 – Installation – C, -- Floor mounted Urinal Screens:** Change to read Wall mounted Urinal Screens.

**Item #2                    SECTION – 09651 – RESILIENT FLOOR TILE (Add New Section)**

1. Add new Section and Delete the existing Section 09651- Resilient Floor Tile and Base.

### **IV. MECHANICAL**

#### **A. SEE ATTACHED DOCUMENTS**

### **V. ELECTRICAL**

#### **A. SEE ATTACHED DOCUMENTS**

### **VI. SUPPLEMENTARY DRAWINGS**

**(ADD THE FOLLOWING DRAWINGS TO THE PROJECT DOCUMENTS)**

**Drawing ---ASD-01**

**Drawing ---ASD-02**

**Drawing ---ASD-03**

**Drawing ---ASD-04**

### **VII. SUPPLEMENTARY SPECIFICATIONS**

**(ADD THE FOLLOWING SPECIFICATION SECTIONS TO THE PROJECT DOCUMENTS)**

**SECTION --- 09651 -- RESILIENT FLOOR TILE and BASE (Replaces the existing section - 09651)**

## **V. MECHANICAL**

UTAH NATIONAL GUARD LEHI ARMORY TOILET ROOM REMODEL  
LEHI, UTAH  
MECHANICAL ITEMS

ADDENDUM  
DECEMBER 19, 2005

**SPECIFICATIONS:**

**SECTION 15400-7 FIXTURE SCHEDULE:**

1. Revise lavatory specification to read as follows (change indicated in bold):
  - L-1 Lavatory ( Wall Hung, Vitreous China): Kohler K-2032, Greenwich, 20"x18" "D" shaped bowl, vitreous china, wall hung lavatory with front overflow and 4" centers. Chicago 802-V faucet, No. 390 lever handles with vandal resistant screws, integral spout with E12VP vandal resistant aerator with 2.2gpm maximum flow rate. Chicago 327A open grid drain and cast brass P-trap with clean-out plug. **Smith 0722 wall mounted concealed arm lavatory carrier.** Provide ADA compliant under counter piping wrap by Truebro, Lav Guard series in China white. See architectural interior elevations for mounting height.

**DRAWINGS:**

**PE-101:**

1. Entire sheet revised - Hot water recirculation loop and cold water piping reworked to run through the crawl space and extend through the walls. Waste and vent to floor drains rerouted. Revised keyed notes 1 and 2.

ALTERNATES

- ICE MACHINE CONDENSATE PUMPING SYSTEM: ALTERNATE SHALL INCLUDE ICE MACHINE DISCHARGE PIPING TO PUMP, CONDENSATE PUMP AND 1/2" OVERHEAD PIPING FROM CONDENSATE PUMP TO SINK.

KEYED NOTES

- 1

EXTEND WATER AND WASTE PIPING FROM CRAWL SPACE, UP AND THRU WALL TO PLUMBING FIXTURES.
- 2

EXTEND WATER PIPING THRU WALL TO FIXTURES.
- 3

NEW CONNECTION TO EXISTING COLD WATER PIPING.
- 4

REROUTE ROOF DRAIN PIPING THRU WALL AND RECONNECT TO PIPING LEAVING BUILDING.
- 5

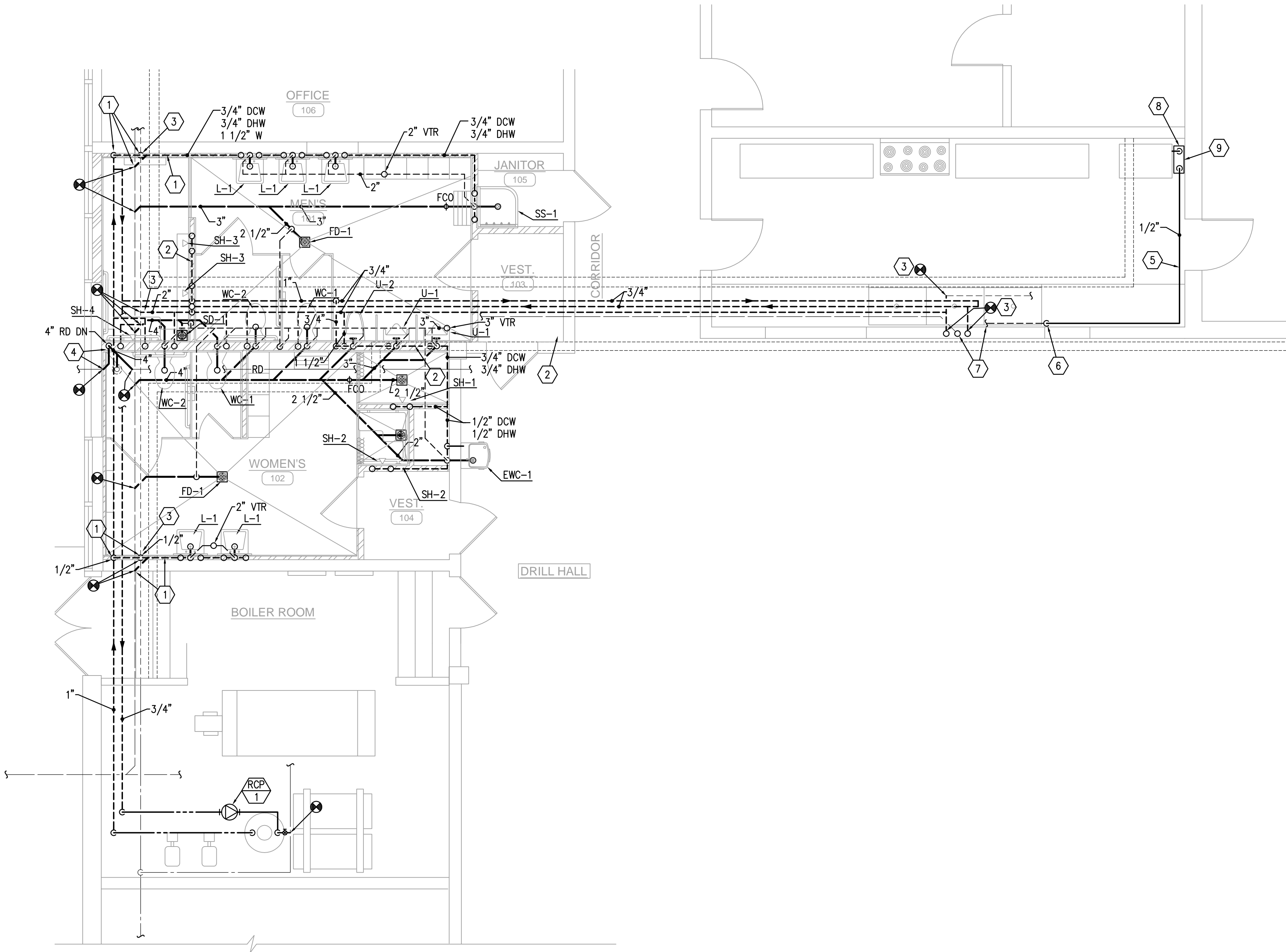
ROUTE PIPE TIGHT AGAINST WALL AND HIGH ENOUGH TO PASS JUST BELOW STRUCTURE. PAINT PIPE PER ARCHITECT SPECIFICATION.
- 6

DROP PIPE BELOW COUNTER AND EXTEND THRU CABINET.
- 7

PROVIDE NEW TAIL PIECE TO SINK WITH CONDENSATE CONNECTION. CONNECT ICE MACHINE WASTE LINE TO SINK TAIL PIECE.
- 8

CONNECT ICE MACHINE WASTE DISCHARGE TO PUMP PAN INLET.
- 9

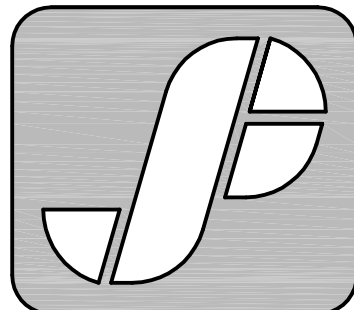
CONDENSATE PUMP: LITTLE GIANT VOMA - 20 OUL VERTICAL TYPE PUMP, 1/2 GALLON ABS TANK, 48 GPH AT 10 FT HEAD, 1/30 HP, 115V /1/60, 1.5 AMPS. PROVIDE CHECK VALVE IN VERTICAL PIPE.



A2 PLUMBING PLAN  
SCALE 1/4" = 1'-0"

ENTIRE SHEET REVISED

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UTAH NATIONAL GUARD  
LEHI ARMORY TOILET  
ROOM REMODEL  
300 EAST MAIN STREET  
LEHI, UTAH 84043

MARK	DATE	DESCRIPTION
1	12-19-05	FINAL ADDENDUM
2	11-28-05	CONSTRUCTION DOCUMENTS

OWNER PROJECT NO:  
ARCH. PROJECT NO: 05-18  
CAD DWG FILE: PE-101.DWG  
DRAWN BY: DL  
CHECKED BY: JM  
DESIGNED BY: JM  
COPYRIGHT:  
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SHEET TITLE

PLUMBING AND  
MECHANICAL PLANS

PE-101



## **V. ELECTRICAL**

# RESTROOM REMODEL - LEHI ARMORY UTAH NATIONAL GUARD - LEHI, UTAH

DFCM PROJECT NO. 05209470

December 16, 2005

## ELECTRICAL ADDENDUM ITEMS

1. Delete Electrical and Tele/Data Work in Office 106.
  - A. Wall of existing Office will not be furred, see Architectural Addendum Items.
  - B. Delete removal of existing receptacles, tele/data outlets, and switch indicated by Keyed Notes D10, D11, D12, D13, and D14 on the Electrical Demolition Plan, Sheet E-101. Existing receptacles, tele/data outlets, and switch are to remain and be protected throughout construction.
  - C. Delete extension of switch outlet box and replacement of switch indicated by Keyed Note L4 on the Lighting Plan, Sheet E-101.
  - D. Delete new receptacles and branch circuit indicated in Office 106 on the Power and Tele/Data Plan, Sheet E-102.
  - E. Delete new tele/data outlets, and reconnection of existing tele/data outlet indicated by Keyed Notes T1, T2, T3, T4, T5, and T6 on the Power and Tele/Data Plan, Sheet E-102.
  - F. Delete Specification Section 16740 - Telephone/Data System. New Tele/Data System work will not be required.
2. Electrical Work for Additive Alternate No. 2 - Kitchen Work.
  - A. Include electrical connection of new Condensate Pump for existing ice maker in Kitchen indicated by Keyed Notes P5 and P6 on the Power and Tele/Data Plan, Sheet E-102 in Additive Alternate No. 2.
3. Change Keyed Note 'P5' indicated in Boiler Room on the Power and Tele/Data Plan, Sheet E-102, to Keyed Note 'P7' referencing future electrical panels.
4. Coordinate with Concurrent Project:
  - A. Two new 3-1/2" electrical feeder conduits will be installed in ceiling space above Women's Restroom 102 under a concurrent construction project expected to bid in January 2006. Coordinate with other contractor to allow installation of new conduits after removal of existing ceiling but prior to installation of new ceiling.
5. F-1 Fixtures may be connected from outlet box in new ceiling or from outlet box in new wall furring. Additional acceptable F-1 Fixtures which require wall mounted outlet box are included in "Submittals for Prior Approval" below.
6. SUBMITTALS FOR PRIOR APPROVAL
  - A. Listing herein of the following equipment submitted for prior approval indicates that the brand name and general characteristics are acceptable, but does not relieve the Contractor of the responsibility of providing equipment and accessories as specified in the Contract Documents unless specific mention of the departure was made in the submittal and acknowledged in writing by the Architect and/or Engineer.

<u>ITEM</u>	<u>MANUFACTURER</u>	<u>CAT. NO.</u>
Fixture F-1	Columbia Lightolier Lithonia	WAL4-232-EB8LH-120 CWBU232-120-H1 WP-232-DO-120-GEB10

LSI Industries  
Metalux

WB-232-SSO10-WHT-120  
BI-232-120-TEB81

Fixture F-3

Infinity

PH75-126T-EB-CS-120

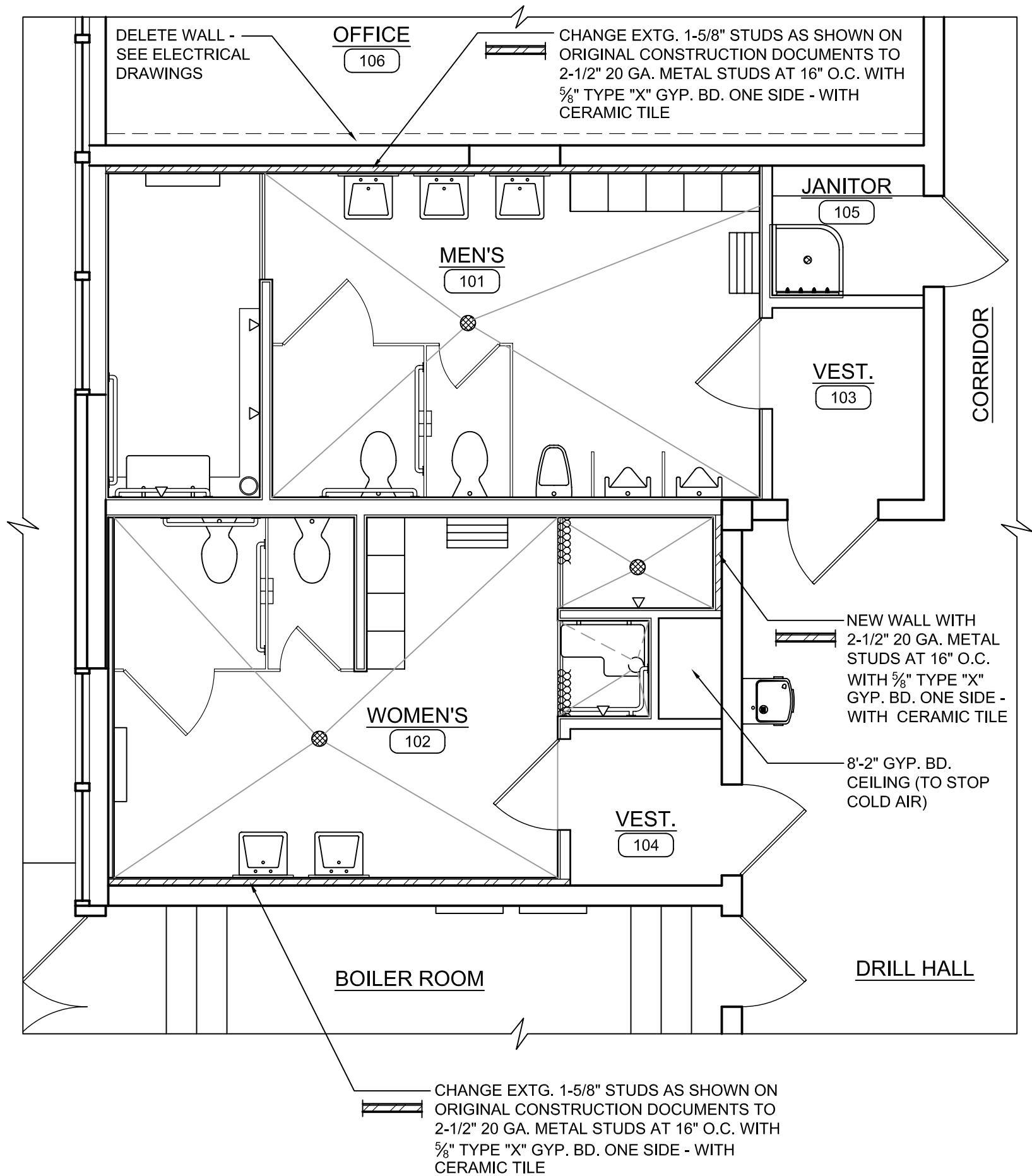
Fixture F-4

Infinity

PVSL68-126T-EB-120

END OF ELECTRICAL ITEMS

## **VI. SUPPLEMENTARY DRAWINGS**

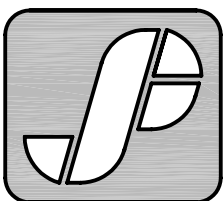


01

## FLOOR PLAN

SCALE 1/4" = 1'-0"

0 2' 4' 8'



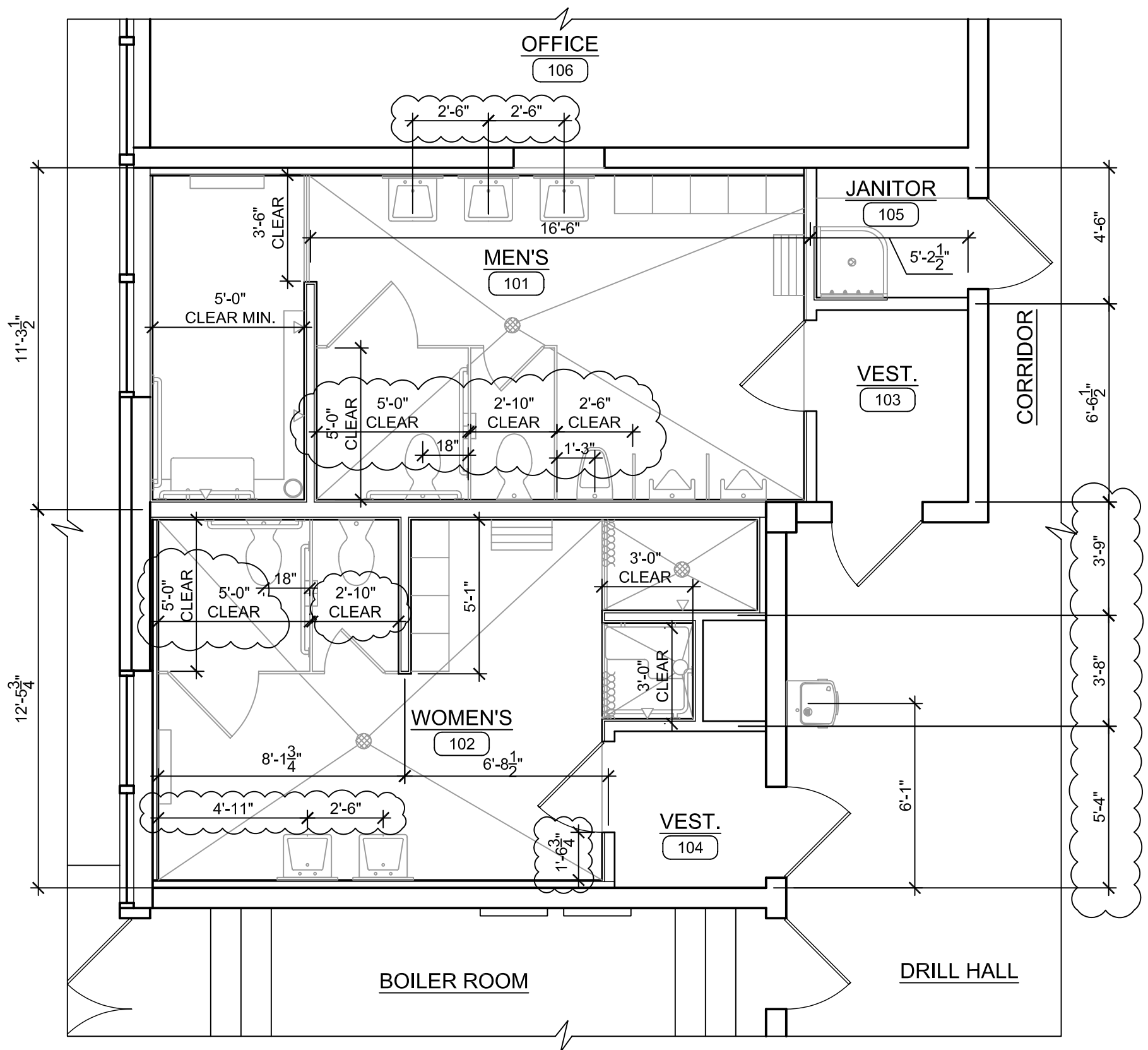
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UTAH NATIONAL GUARD LEHI ARMORY TOILET ROOM REMODEL  
ARCHITECT'S NO. 05-18 DFCM'S PROJECT NO. 05209470

SUPPLEMENTARY DRAWING  
DATE: 12/15/05

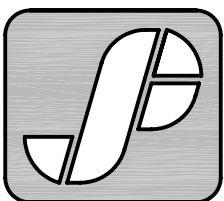
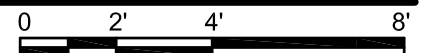
ASD-01



 NEW OR MODIFIED DIMENSIONS

# 01 DIMENSION PLAN

SCALE 1/4" = 1'-0"



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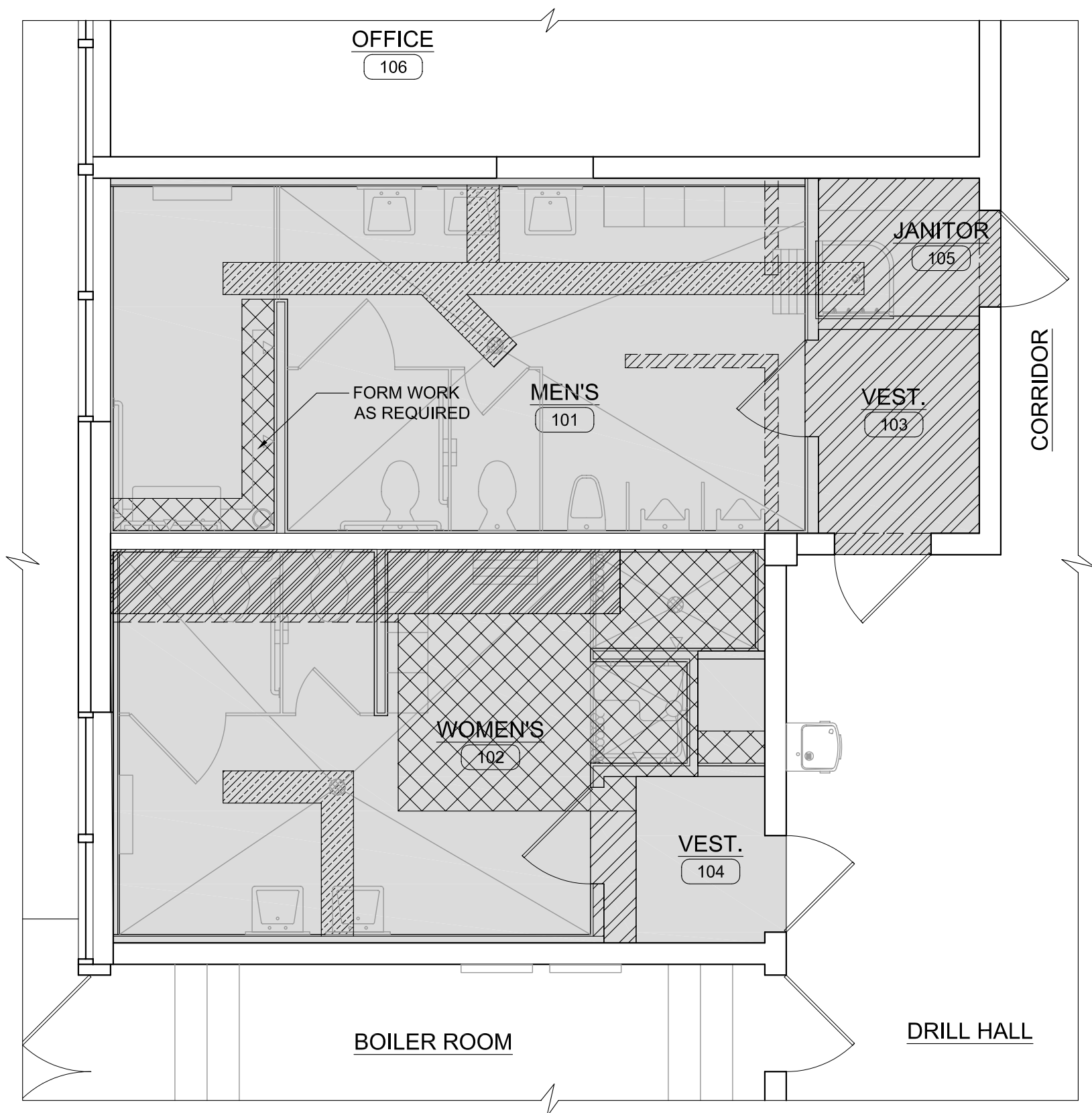
UTAH NATIONAL GUARD LEHI ARMORY TOILET ROOM REMODEL  
ARCHITECT'S NO. 05-18 DFCM'S PROJECT NO. 05209470

SUPPLEMENTARY DRAWING  
DATE: 12/15/05

**ASD-02**



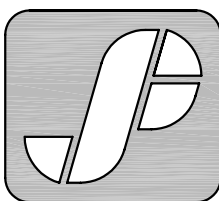
-  REMOVE CONCRETE UNDER WALL TO ALLOW FOR SETTING BED OR CONCRETE TOPPING
-  EXTG. CONCRETE SLAB TO REMAIN
-  CUT OUT CONCRETE TO RUN PLUMBING LINES - INSTALL NEW CONCRETE & CERAMIC TILE
-  REMOVE EXTG. CERAMIC TILE & SETTING BED & INSTALL NEW CONCRETE TOPPING
-  CUT OUT CONCRETE AND REPLACE TO MEET NEW CONDITION OF DRAWINGS
-  NEW CONCRETE OVER EXTG. OPEN TUNNEL
-  REMOVE EXTG. CERAMIC TILE & SETTING BED & REPLACE



**01 FLOOR - OPTION TO NOT REMOVE TOTAL EXISTING CONCRETE SLAB & REPLACE**

SCALE 1/4" = 1'-0"

0 2' 4' 8'



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UTAH NATIONAL GUARD LEHI ARMORY TOILET ROOM REMODEL  
ARCHITECT'S NO. 05-18 DFCM'S PROJECT NO. 05209470

SUPPLEMENTARY DRAWING  
DATE: 12/15/05

**ASD-04**



## **VII. SUPPLEMENTARY SPECIFICATIONS**

## **SECTION 09651 - RESILIENT FLOOR TILE AND BASE**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

- A. This Section includes the following:
  - 1. Vinyl composition tile (VCT).
  - 2. Resilient wall base and accessories.

#### **1.3 SUBMITTALS**

- A. Product Data: For each type of product indicated.
- B. Samples for Initial Selection: For each type of product indicated.

#### **1.4 QUALITY ASSURANCE**

- A. Fire-Test-Response Characteristics: Provide products identical to those tested for fire-exposure behavior per test method indicated by a testing and inspecting agency acceptable to authorities having jurisdiction.

#### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store tiles on flat surfaces.

#### **1.6 PROJECT CONDITIONS**

- A. Maintain temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive floor tile during the following time periods:
  - 1. 48 hours before installation.
  - 2. During installation.
  - 3. 48 hours after installation.
- B. After postinstallation period, maintain temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Close spaces to traffic during floor covering installation.

- D. Close spaces to traffic for 48 hours after floor covering installation.
- E. Install resilient products after other finishing operations, including painting, have been completed.

#### 1.7 EXTRA MATERIALS

- A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Floor Tile: Furnish 1 box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed.
  - 2. Resilient Wall Base and Accessories: Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the products listed in other Part 2 articles.

#### 2.2 COLORS AND PATTERNS

- A. Colors and Patterns: As selected by Architect from manufacturer's full range.

#### 2.3 VINYL COMPOSITION TILE

- A. Vinyl Composition Tile (VCT): ASTM F 1066.
  - 1. Armstrong World Industries, Inc.
  - 2. Azrock Commercial Flooring, DOMCO
  - 3. Congoleum Corporation
  - 4. Mannington Mills, Inc.
  - 5. Tarkett Inc.
- B. Class: 2 (through-pattern tile).
- C. Wearing Surface: Smooth.
- D. Thickness: 0.125 inch.
- E. Size: 12 by 12 inches.
- F. Fire-Test-Response Characteristics:
  - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm per ASTM E 648.

#### 2.4 RESILIENT WALL BASE

- A. Wall Base: ASTM F 1861.
  - 1. Armstrong World Industries, Inc.
  - 2. Azrock Commercial Flooring, DOMCO
  - 3. Burke Mercer Flooring Products
  - 4. Johnsonite
  - 5. Musson, R. C. Rubber Co.
  - 6. Roppe Corporation
- B. Type (Material Requirement): TS (rubber, vulcanized thermoset).
- C. Group (Manufacturing Method): I (solid, homogeneous) or II (layered).
- D. Style: Straight (toeless).
- E. Minimum Thickness: 0.125 inch.
- F. Height: 4 inches.
- G. Lengths: Cut lengths 48 inches long or coils in manufacturer's standard length.
- H. Outside Corners: Premolded.
- I. Inside Corners: Premolded.
- J. Surface: Smooth.

## 2.5 RESILIENT MOLDING ACCESSORY

- A. Description: Carpet edge for glue-down applications, Nosing for carpet, Nosing for resilient floor covering, Reducer strip for resilient floor covering, Joiner for tile and carpet.
  - 1. Burke Mercer Flooring Products
  - 2. Johnsonite
  - 3. Marley Flexco (USA), Inc.
  - 4. Roppe Corporation
- B. Material: Rubber.
- C. Profile and Dimensions: As indicated.

## 2.6 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic cement based formulation provided or approved by resilient product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.
- C. Metal Edge Strips: Extruded aluminum with mill finish of width shown, of height required to protect exposed edges of tiles, and in maximum available lengths to minimize running joints.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for installation tolerances, moisture content, and other conditions affecting performance.
  - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
  - 2. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written recommendations to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F 710.
  - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
  - 2. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
  - 3. Moisture Testing:
    - a. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
    - b. Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
- C. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
- D. Access Flooring Panels: Remove protective film of oil or other coating using method recommended by access flooring manufacturer.
- E. Use trowelable leveling and patching compound to fill cracks, holes, and depressions in substrates.
- F. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
  - 1. Do not install resilient products until they are same temperature as space where they are to be installed.
- G. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation. After cleaning, examine substrates for moisture, alkaline salts, carbonation, and dust. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.3 TILE INSTALLATION

- A. Lay out tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
  - 1. Lay tiles square with room axis.
- B. Match tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
  - 1. Lay tiles with grain running in one direction.
- C. Scribe, cut, and fit tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, edgings, door frames, thresholds, and nosings.
- D. Extend tiles into toe spaces, door reveals, closets, and similar openings.
- E. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent, nonstaining marking device.
- F. Install tiles on covers for telephone and electrical ducts and similar items in finished floor areas. Maintain overall continuity of color and pattern with pieces of tile installed on covers. Tightly adhere tile edges to substrates that abut covers and to cover perimeters.
- G. Adhere tiles to flooring substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

#### 3.4 RESILIENT WALL BASE INSTALLATION

- A. Apply wall base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- B. Install wall base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
- C. Tightly adhere wall base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- D. Do not stretch wall base during installation.
- E. On masonry surfaces or other similar irregular substrates, fill voids along top edge of wall base with manufacturer's recommended adhesive filler material.
- F. Premolded Corners: Install premolded corners before installing straight pieces.

#### 3.5 RESILIENT ACCESSORY INSTALLATION

- A. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor coverings that would otherwise be exposed.

#### 3.6 CLEANING AND PROTECTION

- A. Perform the following operations immediately after completing resilient product installation:
  - 1. Remove adhesive and other blemishes from exposed surfaces.
  - 2. Sweep and vacuum surfaces thoroughly.
  - 3. Damp-mop surfaces to remove marks and soil.
    - a. Do not wash surfaces until after time period recommended by manufacturer.
- B. Protect resilient products from marks, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period. Use protection methods recommended in writing by manufacturer.
  - 1. Apply protective floor polish to horizontal surfaces that are free from soil, visible adhesive, and surface blemishes if recommended in writing by manufacturer.
    - a. Use commercially available product acceptable to manufacturer.
    - b. Coordinate selection of floor polish with Owner's maintenance service.
  - 2. Cover products installed on horizontal surfaces with undyed, untreated building paper until Substantial Completion.
  - 3. Do not move heavy and sharp objects directly over surfaces. Place hardboard or plywood panels over flooring and under objects while they are being moved. Slide or roll objects over panels without moving panels.

**END OF SECTION 09651**